

Title (en)  
PIEZOELECTRIC SENSOR

Publication  
**EP 0105483 B1 19870902 (EN)**

Application  
**EP 83109771 A 19830929**

Priority  
JP 17325082 A 19821004

Abstract (en)  
[origin: US4511819A] A piezoelectric sensor for measuring an external force is disclosed which is accommodated in a cassette through a sealing member and provided with a pair of electrodes which are respectively bonded to opposite sides of a piezoelectric element. A masking strip made of a highly insulative material covers the whole area of an end face of the piezoelectric element, which is exposed to the outside of the sensor, and a desired width of an end face of each of the electrodes adjacent to the end face of the piezoelectric element. This maintains a high resistance between the electrodes having the piezoelectric element therebetween and thereby promotes accurate measurement without being effected by changes in the resistance of the sealing member due to temperature variation. The sensor is effectively applicable to a vortex flow meter.

IPC 1-7  
**H01L 41/08**

IPC 8 full level  
**G01F 1/00** (2006.01); **G01F 1/32** (2006.01); **G01L 1/16** (2006.01); **H10N 30/00** (2023.01); **H10N 30/30** (2023.01)

CPC (source: EP KR US)  
**G01F 1/3266** (2022.01 - EP); **G01L 1/16** (2013.01 - EP KR US); **H10N 30/302** (2023.02 - EP KR US)

Citation (examination)  
McGraw-Hill: "Encyclopedia of Science and Technology", 1977, vol. 2, p. 687

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**US 4511819 A 19850416**; CA 1200117 A 19860204; DE 3373384 D1 19871008; EP 0105483 A2 19840418; EP 0105483 A3 19840912; EP 0105483 B1 19870902; JP H0225446 B2 19900604; JP S5963537 A 19840411; KR 840006694 A 19841201; KR 890000690 B1 19890324

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